

# sungo (Matt Cashner) - Resume

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*Note: I am only interested in remote-only opportunities. I will not relocate.*

## About Me

I am what we now call a Site Reliability Engineer with over 20 years of industry experience, ranging from small single system environments to large scale systems involving thousands of servers.

I have extensive development experience, mostly in an operational automation context, as well as systems administration and maintenance. I've been on-call for most of my career and have experience managing incidents and drafting blameless post-mortem analyses.

I have lots of experience in architecture and design, including gathering stakeholder requirements, drafting requirements documents, and carrying them through implementation and production deployment.

In any job, I am looking for the usual challenging work and good diverse people to work with. I need remote-only work with a highly communicative team that is willing to use text chat and video conferencing.

I am not interested in management roles.

## Employment History

### **Joyent, Inc**

*October 2017 - Present*

Smart Datacenter build automation with Perl and Go

#### **Public Repositories**

- <https://github.com/joyent/conch-shell>
- <https://github.com/joyent/go-conch>

## **Neustar, Inc**

July 2017 - October 2017

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## **Time Warner Cable**

Mar 2010 - May 2017

Software engineering, architecture, and design for systems automation and monitoring for video-on-demand backend systems, including requirements gathering, detailed design specifications, and stakeholder communication.

Extensive on-call responsibilities, including incident management and authorship of post-mortem analyses.

### ***Architecture / Engineering***

- Architected and led the implementation of IP-based live video distribution for the TWCTV iPad app, versions 1 and 2. *The application was subsequently awarded an Emmy Engineering Certificate*
- Architected and implemented automation for video-on-demand content intake, transcoding, and distribution. This self-healing system handled over a thousand TV shows, movies, and advertisements daily with little to no human intervention
- Architected and implemented automation for content metadata (title, description, ratings, artwork, etc) improvement

### ***Software Development***

- Workflow and systems automation using Ruby
  - Monitoring and data management UIs (including real-time interfaces with WebSockets) using Ruby, Javascript, MongoDB, and PostgreSQL
  - Monitoring UIs in Splunk
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## **YouPorn / MidStream Media**

May 2009 - Feb 2010

- Application development in Perl
  - Systems programming and automation in Perl and Bash, mostly on Debian Linux
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## **Singlesnet, Inc**

*Dec 2007 - Mar 2009*

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## **America Online**

*Feb 2003 - Oct 2007*

- Developed cross-platform server and network monitoring system in Perl and C, backed by PostgreSQL
  - Developed monitoring dashboards in Perl, via mod\_perl
  - Significant deployments of Linux (RHEL), with custom orchestration software
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## **Databuilt, Inc**

*Dec 2001 - Feb 2003*

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## **The Creative Group**

*May 2000 - Dec 2001*

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## **Education**

**1996-2000** Bachelors Degree - Asbury College

## **Publications**

**Application Design With POE** - perl.com - 2 July 2004

<https://sung0.wtf/2004/06/02/application-design-with-poe.html>

**Building Applications With POE** - perl.com - 22 July 2004

<https://sung0.wtf/2004/07/22/building-applications-with-poe.html>

**Getting Started With POE** - The Perl Journal - 6 Sep 2005

<https://sung0.wtf/2005/09/06/getting-started-with-poe.html>